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APPLICATION NO.	I	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,908	•	07/30/2003	Keiko Tazaki	DAIN:743 6084	
25944	7590	03/21/2006		EXAMINER	
OLIFF & F	BERRID	GE, PLC	DUDEK, JAMES A		
	P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
	,			2871	
				DATE MAILED: 03/21/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	1.5 12 - 22 - 51	A 11 44-3						
	Application No.	Applicant(s)						
	10/629,908	TAZAKI ET AL.	Im					
Office Action Summary	Examiner	Art Unit						
	James A. Dudek	2871						
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with th	e correspondence add	ress					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS for the application to become ABANDO	ON. e timely filed rom the mailing date of this con DNED (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on								
· · · · · · · · · · · · · · · · · · ·	action is non-final.							
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closed in accordance with the practice under B	•	•						
Disposition of Claims								
4) Claim(s) 1-12 is/are pending in the application	•							
4a) Of the above claim(s) <u>7-9 and 12</u> is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1-6</u> is/are rejected.								
7)⊠ Claim(s) <u>10 and 11</u> is/are objected to.	· · · · · · · · · · · · · · · · · · ·							
8) Claim(s) are subject to restriction and/o	r election requirement.							
Application Papers								
9) The specification is objected to by the Examine	NP.							
•		o Evaminar						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correct			2 1 121(4)					
11) The oath or declaration is objected to by the Ex		-	, ,					
Trip The bath of declaration is objected to by the Ex	dammer. Note the attached On	ice Action of form Fire	J-132.					
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 	s have been received.							
2. Certified copies of the priority document	• •							
3. Copies of the certified copies of the prio	-	eived in this National S	Stage					
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
1) X Notice of References Cited (PTO-892)	4) Interview Summ							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)								
Paper No(s)/Mail Date	6) Other:		-					
Potent and Trademark Office			*					

Art Unit: 2871

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 4-6 are rejected under 35 U.S.C. 102(e) as being anticipated by US006906764B2 (764).

Per claims 1 and 12, 764 teaches an optical element comprising: a liquid crystal layer [45] made by forming and curing a film of a liquid crystalline material, the liquid crystal layer including a liquid crystal phase in a solidified state such that a molecular orientation of the liquid crystal phase is maintained even when an electrical force is applied [see column 13, fifth paragraph—the liquid crystal is cured]; and a protective layer formed on the liquid crystal layer, said protective layer having hardness high enough to prevent the liquid crystal layer from being deformed by externally exerted forces [see sixth paragraph of column 13].

Per claims 4-5, 764 the optical element according to claim 1, wherein the liquid crystalline material from which the liquid crystal layer is made has cholesteric regularity and nematic regularity [see column 13, first paragraph].

Per claim 6, 764 teaches the optical element according to claim 1, further comprising an alignment substrate that supports the liquid crystal layer, said alignment layer being disposed on the liquid crystal layer opposite to a surface of the protective layer [12].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 2-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over 764 in view of 20040048950 (950).

764 teaches the optical element according to claim 1, but lacks the resin protective layer having a modulus of elasticity (=(elastic deformation)/(total deformation)) of 0.6 or more as determined by pushing an indenter into the protective layer with a test force of 2 mN in accordance with the universal hardness test method. However 950 teaches a resin protective layer having the claimed characteristics to avoid adverse effects to color properties. Accordingly, it would have been obvious to one of ordinary skill in the art at the time of invention to combine the protective layer of 950 with 764.

Allowable Subject Matter

Claims 10-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

James A. Dudek Primary Examiner Art Unit 2871